

IN THE CLAIMS

1. **(currently amended)** A congestion controller for an Ethernet switch at a reception side of a PAUSE frame, comprising

a plurality of transmission queues which have different priorities,

receiving means for receiving ~~a the~~ PAUSE frame including a parameter field in which a timer value of PAUSE time is set,

restriction means for restricting transmission traffic from the transmission queues by the received PAUSE frame, wherein

the restriction means restricts (i) the transmission traffic from a transmission queue of a lowest priority by the PAUSE frame received at a time other than ~~a the~~ PAUSE time, and restricts (ii) the transmission traffic from the transmission queue of a higher priority, by the PAUSE frame received during the PAUSE time.

2. **(currently amended)** ~~A The~~ congestion controller ~~for an Ethernet switch~~ according to claim 1, further comprising

~~a transmission queue,~~

~~— a receiving means for receiving a PAUSE frame,~~

a shaping means for shaping transmission traffic from the transmission queue by the received PAUSE frame, wherein

the shaping means restricts ~~transmission speed of~~ the transmission traffic from the transmission queue ~~to or below a transmission speed based on a predetermined shaping value by the receiving means receiving the PAUSE frame~~ of the lowest priority by increasing the shaping degree.

3. (original) ~~A~~The congestion controller according to Claim 2 in which the restriction of the transmission ~~speed~~traffic is performed by providing a gap in the transmission ~~traffic~~therein.

4. **(currently amended)** ~~A~~The congestion controller ~~for an Ethernet switch~~at a transmission side of the PAUSE frame according to claim 1, comprising

- a transmission queue connected with a sending port to a link,
- an identifying means for identifying an input port which causes congestion by counting packets resident in the transmission queue, corresponding to the input port, and
- a transmission means for transmitting ~~a~~the PAUSE frame to ~~another switch~~said reception side which is connected to the identified input port, ~~wherein~~

~~the identifying means further identifies a traffic based on attributes of the packets, and~~

~~the transmission means notifies the other switch of the identified traffic by the PAUSE frame transmitted thereto.~~

5. (canceled)

6. **(new)** The congestion controller according to claim 4, wherein

- the identifying means further identifies a traffic based on attributes of the packets, and

the transmission means notifies the reception side of the identified traffic by the PAUSE frame transmitted thereto.